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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/711,646
				Filing Date	September 29, 2004
				First Named Inventor	Anatoliy Panasyuk
				Art Unit	2157 2153
				Examiner Name	Not Yet Assigned O.C. Vostal
Sheet	1	of	7	Attorney Docket Number	CXT-087

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/O.V./	A1	US-4,438,511	03-20-1984	Baran	370/18
	A2	US-4,736,369	04-05-1988	Barzilai et al.	370/231
	A3	US-4,750,171	06-07-1988	Kedar et al.	370/445
	A4	US-4,768,190	08-30-1988	Giancarlo	370/400
	A5	US-4,837,800	06-06-1989	Freeburg et al.	455/557
	A6	US-4,893,307	01-09-1990	McKay et al.	370/389
	A7	US-4,912,756	03-27-1990	Hop	455/423
	A8	US-4,941,089	07-10-1990	Fischer	709/231
	A9	US-4,953,159	08-28-1990	Hayden et al.	370/265
	A10	US-5,010,549	04-23-1991	Katou et al.	370/522
	A11	US-5,021,949	06-04-1991	Morten et al.	709/231
	A12	US-5,159,592	10-27-1992	Perkins	370/338
	A13	US-5,181,200	01-19-1993	Harrison	370/468
	A14	US-5,210,753	05-11-1993	Natarajan	370/338
	A15	US-5,212,806	05-18-1993	Natarjan	455/525
	A16	US-5,220,501	06-15-1993	Lawlor et al.	705/40
	A17	US-5,224,098	06-29-1993	Bird et al.	709/233
	A18	US-5,241,542	08-31-1993	Natarajan et al.	370/311
	A19	US-5,276,680	01-04-1994	Messenger	370/311
	A20	US-5,307,490	04-26-1994	Davidson et al.	719/328
	A21	US-5,325,361	06-28-1994	Lederer et al.	370/401
	A22	US-5,349,678	09-20-1994	Morris et al.	709/219
	A23	US-5,410,543	04-25-1995	Seitz et al.	370/463
	A24	US-5,412,654	05-02-1995	Perkins	370/312
	A25	US-5,416,842	05-16-1995	Aziz	380/30
	A26	US-5,426,637	06-20-1995	Derby et al.	370/401
	A27	US-5,442,633	08-15-1995	Perkins et al.	370/331
	A28	US-5,442,791	08-15-1995	Wrabetz et al.	719/330
	A29	US-5,446,736	08-29-1995	Gleeson et al.	370/473
	A30	US-5,446,915	08-29-1995	Pierce	712/11
	A31	US-5,448,561	09-05-1995	Kaiser et al.	370/471
	A32	US-5,475,819	12-12-1995	Miller et al.	709/203
	A33	US-5,481,535	01-02-1996	Hershey	370/312
	A34	US-5,481,721	01-02-1996	Serlet et al.	719/315
	A35	US-5,490,139	02-06-1996	Baker et al.	370/312
	A36	US-5,491,800	02-13-1996	Goldsmith et al.	709/221
	A37	US-5,499,343	03-12-1996	Pettus	709/203
	A38	US-5,515,508	05-07-1996	Pettus et al.	709/203
	A39	US-5,548,723	08-20-1996	Pettus	709/228
	A40	US-5,553,060	09-03-1996	Obermanns et al.	370/218

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/O.V./	A81	US-5,987,611	11-16-1999	Freund	726/4
	A82	US-6,006,090	12-21-1999	Coleman et al.	455/432.1
	A83	US-6,023,724	02-08-2000	Bhatia et al.	709/218
	A84	US-6,055,575	04-25-2000	Paulsen et al.	709/229
	A85	US-6,058,250	05-02-2000	Harwood et al.	709/227
	A86	US-6,088,451	07-11-2000	He et al.	726/8
	A87	US-6,091,951	07-18-2000	Sturniolo et al.	455/432.2
	A88	US-6,101,543	08-08-2000	Alden et al.	709/229
	A89	US-6,112,085	08-29-2000	Garner et al.	455/428
	A90	US-6,145,109	11-07-2000	Schuster et al.	714/752
	A91	US-6,147,986	11-14-2000	Orsic	370/349
	A92	US-6,154,461	11-28-2000	Sturniolo et al.	370/401
	A93	US-6,161,123	12-12-2000	Renouard et al.	709/203
	A94	US-6,166,729	12-26-2000	Acosta et al.	715/719
	A95	US-6,167,513	12-26-2000	Inoue et al.	713/150
	A96	US-6,170,057-B1	01-02-2001	Inoue et al.	713/153
	A97	US-6,170,075-B1	01-02-2001	Schuster et al.	714/776
	A98	US-6,198,920-B1	03-06-2001	Doviak et al.	455/426.1
	A99	US-6,201,962-B1	03-13-2001	Sturniolo et al.	455/432.2
	A100	US-6,226,750	05-01-2001	Trieger	726/3
	A101	US-6,226,769-B1	05-01-2001	Schuster et al.	714/752
	A102	US-6,230,004-B1	05-08-2001	Hall et al.	455/414.3
	A103	US-6,233,617-B1	05-15-2001	Rothwein et al.	709/227
	A104	US-6,233,619-B1	05-15-2001	Narisi et al.	709/230
	A105	US-6,236,652-B1	05-22-2001	Preston et al.	370/328
	A106	US-6,240,514-B1	05-29-2001	Inoue et al.	713/153
	A107	US-6,243,753-B1	06-05-2001	Machin et al.	709/227
	A108	US-6,249,818-B1	06-19-2001	Sharma	709/230
	A109	US-6,256,739-B1	07-03-2001	Skopp et al.	375/240.23
	A110	US-6,266,418-B1	07-24-2001	Carter et al.	380/257
	A111	US-6,269,402-B1	07-31-2001	Lin et al.	709/227
	A112	US-6,308,281-B1	10-23-2001	Hall, Jr. et al.	714/4
	A113	US-2001/0037464-A1	11-01-2001	Persels	726/5
	A114	US-6,336,135-B1	01-01-2002	Niblett et al.	709/215
	A115	US-2002/0010866-A1	01-24-2002	McCullough et al.	726/3
	A116	US-2002/0035699-A1	03-21-2002	Crosbie	726/12
	A117	US-6,415,329-B1	07-02-2002	Gelman et al.	709/245
	A118	US-6,418,324-B1	07-09-2002	Doviak et al.	455/456.1
	A119	US-2002/0098840-A1	07-25-2002	Hanson et al.	455/435.3
/O.V./	A120	US-2002/0115407-A1	08-22-2002	Thompson et al.	455.3.01

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			Art Unit	2457 2153	
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/O.V./	A121	US-2002/0142774-A1	10-03-2002	Saint-Hilaire et al.	455/445
	A122	US-2002/0164952-A1	11-07-2002	Singhal et al.	455/41.1
	A123	US-2002/0165990-A1	11-07-2002	Singhal et al.	709/249
	A124	US-6,487,690-B1	11-26-2002	Schuster et al.	714/752
	A125	US-2002/0178211-A1	11-28-2002	Singhal et al.	709/201
	A126	US-6,496,520-B1	12-17-2002	Acosta	370/474
	A127	US-2002/194473 A1	12-19-2002	Pope et al.	713/168
	A128	US-6,505,241-B2	01-07-2003	Pitts	709/218
	A129	US-2003/0043844-A1	03-06-2003	Heller	370/466
	A130	US-6,546,425-B1	04-08-2003	Hanson et al.	709/227
	A131	US-2003/0069803-A1	04-10-2003	Pollitt	705/26
	A132	US-2003/0078983-A1	04-24-2003	Sullivan et al.	709/207
	A133	US-2003/0078985-A1	04-24-2003	Holbrook et al.	709/213
	A134	US-6,560,650-B1	05-06-2003	Imai	709/227
	A135	US-2003/0093691-A1	05-15-2003	Simon et al.	726/4
	A136	US-2003/0117992-A1	06-26-2003	Kim et al.	370/349
	A137	US-2003/0120811-A1	06-26-2003	Hanson et al.	709/245
	A138	US-6,606,708 B1	08-12-2003	Shoulberg et al.	726/8
	A139	US-2003/163569 A1	08-28-2003	Panasyuk et al.	709/227

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/O.V./	B1	EP 0 483 547-A1		05-06-1992	International Business Machines Corporation	.../...
/O.V./	B2	EP 0 483 551-A2		05-06-1992	International Business Machines Corporation	.../...
/O.V./	B3	JP-2000125029 A		04-28-2000	Matsushita Electric Ind. Co., Ltd.	.../...
/O.V./	B4	WO 92/19059-A1		10-29-1992	Telesystems SLW Inc.	.../...
/O.V./	B5	WO 02/23362 A1		03-21-2002	Netmotion Wireless Inc.	.../...
/O.V./	B6	EP 1 351 467 A2		10-08-2003	Microsoft Corp.	.../...

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/O.V./	C1	Alanko, T. et al. "Measured performance of data transmission over cellular telephone networks." Publication C-1994-53, pp. 1-20, University of Helsinki, Department of Computer Science, Helsinki, 1994.	
/O.V./	C2	Alexander, S. et al. "DHCP Options and BOOTP Vendor Extensions." retrieved from the internet at http://www.ietf.org/rfc/rfc2132.txt?number=2132 , 29 pp., March, 1997.	
/O.V./	C3	Bakre, A. et al. "I-TCP: Indirect TCP for Mobile Hosts." Document DCS-TR-314, pp. 1-18, Rutgers University, Piscataway, New Jersey, October 1994.	
/O.V./	C4	Berners-Lee, T. et al. "Hypertext transfer protocol -- HTTP/1.0" downloaded from the internet at http://www.w3.org/Protocols/rfc1945/rfc1945 , pp.1-60, May, 1996.	
/O.V./	C5	Datability Software Systems, Inc. "Proposal Presented to Digital Equipment Corporation Large System Group", Marlboro, Massachusetts July 7, 1983." 13 pp., 1983.	
/O.V./	C6	Droms, R. "Dynamic Host Configuration Protocol" retrieved from the internet at http://www.ietf.org/rfc/rfc2131.txt , 38 pp., 1997.	
/O.V./	C7	Information Sciences Institute "Transmission Control Protocol: DARPA Internet Program Protocol Specification." 85 pp., 1981. University of Southern California, Marina Del Ray, CA.	
/O.V./	C8	International Business Machines Corporation "ARTour." 4 pp., 1995.	
/O.V./	C9	International Search Report to PCT/US2004/033334 (January 5, 2005) 7 pages	
/O.V./	C10	International Search Report to PCT/US2004/033794 (January 20, 2005) 8 pages	
/O.V./	C11	International Search Report to PCT/US2004/033333 (January 17, 2005) 7 pages	
/O.V./	C12	Ioannidis, J. et al. "IP-based protocols for mobile internetworking" In Proceedings of the ACM SIGCOMM Symposium on Communications, Architectures and Protocols, pages 235-245, September 1991.	
/O.V./	C13	Ioannidis, J. et al. "Protocols for supporting mobile IP hosts." Internet Draft, retrieval address unknown, 48 pp., June 1992.	
/O.V./	C14	Ioannidis, J. et al. "The Design and Implementation of a Mobile Internetworking Architecture." 1993 Winter USENIX, Jan. 1993.	
/O.V./	C15	Kiiskinen, J. et al. "Data channel service for wireless telephone links." Publication C-1996-1, pp. 1-17, University of Helsinki, Department of Computer Science, Helsinki, 1996.	
/O.V./	C16	Kojo, M. et al. "Connecting mobile workstations to the internet over a digital cellular telephone network." Publication C-1994-39, pp. 1-16, University of Helsinki, Department of Computer Science, Helsinki, 1994.	
/O.V./	C17	Kojo, M. et al. "Enhanced communication services for mobile TCP/IP networking." Publication C-1995-15, pp. 1-22, University of Helsinki, Department of Computer Science, Helsinki, 1995.	
/O.V./	C18	Laamanen, H. "An experiment of dependability and performance of GSM access to fixed data network." Publication C-1995-41, pp. 1-21, University of Helsinki, Department of Computer Science, Helsinki, 1995.	
/O.V./	C19	Liljeberg, M. et al. "Enhanced services for world-wide web in mobile WAN environment." Publication C-1996-28, pp. 1-12, University of Helsinki, Department of Computer Science, Helsinki, 1996.	

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/O.V./	C20	Liljeberg, M. et al. "Optimizing world-wide web for weakly connected mobile workstations: an indirect approach." 8pp., in Proc. 2nd International Workshop on Services in Distributed and Networked Environments (SDNE), Whistler, Canada, June 1995.		
/O.V./	C21	M3i Systems, Inc. "M3i RadioLink (management through instant interactive information): Overview." 7pp., 1995.		
/O.V./	C22	Maltz, D. et al. "MSOCKS: an architecture for transport layer mobility.", 9 pp. in Proceedings of the IEEE INFOCOM '98, 1998.		
/O.V./	C23	Milligan, T. "iiif, The Integrated Interactive Intermedia Facility Design Report - CAVECAT Revision 1.2.2", 22 pp. Dynamic Graphics Project, University of Toronto, Toronto, 1991.		
/O.V./	C24	Montenegro, G. "Reverse Tunneling for Mobile IP," draft-ietf-mobileip-tunnel-reverse-00.txt, 15pp., retrieved from the internet at hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-ietf-mobileip-firewall-trav-00.txt , Jan. 1997.		
/O.V./	C25	NetMotion Wireless "Netmotion wireless product documentation." 3 pp., retrieved from the internet at http://www.netmotionwireless.com/support/manuals , 2002.		
/O.V./	C26	Nodes Group "MOWGLI: Mobile Office Workstations using GSM Links" 3 pp., retrieved from the internet at http://www.cs.helsinki.fi/research/mowgli/ , 2000.		
/O.V./	C27	PADCom, Inc. "Connectivity Suite Technical Overview." pp.i-ii, 1-40, Padcom, Inc., Bethlehem, PA, 2001.		
/O.V./	C28	Pankoke-Babatz, U. "1984/1988 X.400 recommendations - user requirements." Computer Communications 13(10):595-610, 1990.		
/O.V./	C29	Perkins, C.E. "Mobile networking through mobile IP." 15 pp., retrieved from the internet at www.computer.org/internet/v2n1/perkins.htm , Internet Computing Online, 1997.		
/O.V./	C30	Perkins, C.E. et al. "DHCP for mobile networking with TCP/IP." IEEE Symposium on Computers and Communications, p.255-61, +1995		
/O.V./	C31	Piscitello, D. et al. "Mobile Network Computing Protocol (MNCP)", 28 pp., retrieved from the internet at http://www.watersprings.org/pub/id/draft-piscitello-mncp-00.txt , 1997.		
/O.V./	C32	Postel, J., et al. "File Transfer Protocol (FTP)" IETF RFC 765, October 1985.		
/O.V./	C33	Sun Microsystems, Inc. "RPC: Remote Procedure Call Protocol Specification Version 2" IETF RFC 1050, June 1988.		
/O.V./	C34	TEKnique "Optimized TCP/IP over wireless" 5 pp. [publication date unknown].		
/O.V./	C35	TEKnique "TransNet II Wireless Gateway Services" 2 pp. [publication date unknown].		
/O.V./	C36	TEKnique "Transnet II: Wireless gateway." 3 pp., [publication date unknown].		
/O.V./	C37	TEKnique "TransRMail" 2pp. [publication date unknown].		
/O.V./	C38	TEKnique "TX1000" 2 pp., 1994.		
/O.V./	C39	TEKnique "TX2000" 2 pp. [publication date unknown].		
/O.V./	C40	TEKnique "TX5000" 2 pp., 1994.		
/O.V./	C41	Teraoka, F. et al. "A Network Architecture Providing Host Migration Transparency." In Proceedings of the ACM SIGCOMM Symposium on Communications, Architectures and Protocols, pages 209-220, September 1991.		

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/O.V./	C42	Weiser, M. "Some computer science issues in ubiquitous computing" pp.75-85 Communications of the ACM, July 1993.		
/O.V./	C43	WRQ, Inc. "AtGuard Getting Started Guide." 6 pp. retrieved from the internet at http://www.atguard.com/help/docs/guide.html [publication date unknown].		
/O.V./	C44	WRQ, Inc. "Glossary." 8pp. retrieved from the internet at http://www.atguard.com/product_info/features.html [publication date unknown].		
/O.V./	C45	WRQ, Inc. "Tour of AtGuard's features." 8pp. retrieved from the internet at http://www.atguard.com/product_info/features.html [publication date unknown].		
/O.V./	C46	WRQ, Inc. "WRQ licenses AtGuard to Symantec and ASCII Network Technology." 1 p. retrieved from the internet at http://www.atguard.com/press_area/Welcome.html , 1999.		
/O.V./	C47	Written Opinion of the International Searching Authority to PCT/US2004/033334 (October 8, 2004) 5 pages.		
/O.V./	C48	Written Opinion of the International Searching Authority to PCT/US2004/0033794 (October 12, 2004) 6 pages.		
/O.V./	C49	Written Opinion of the International Searching Authority to PCT/US2004/033333 (October 8, 2004) 7 pages.		

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